Soil & Tillage Research, 19 (1991) 431–433
Elsevier Science Publishers B.V., Amsterdam

Author Index

Agrawal, R.P. (Haryana, India)
Water and nutrient management in sandy soils by compaction 121
Alakukku, L., *see* Simojoki, A. et al.
Balássy, Z. (Gödöllö, Hungary)
Correction of data measured in a shear box 165
Baumgartl, Th. and Horn, R. (Kiel, FRG)
Effect of aggregate stability on soil compaction 203
Bengough, A.G., *see* Young, I.M. et al.
Beran, P., *see* Lhotsky, J. et al.
Bieganowski, A., *see* Malicki, J. et al.
Brar, G.S., *see* Taylor, H.M. and Brar, G.S.
Canarache, A. (Bucharest, Romania)
Factors and indices regarding excessive compactness of agricultural soils 145
Cassel, D.K., *see* Unger, P.W. and Cassel, D.K.
Cheatle, R.J. (Honiara, Solomon Islands)
Tree growth on a compacted Oxisol 331
Costigan, P.A., *see* Young, I.M. et al.
Dabek-Szreniawska, M., *see* Malicki, J. et al.
De Boodt, M., *see* De Smet, J. et al.
De Smet, J., De Boodt, M., Hartmann, R. (Ghent, Belgium) and Wontroba, J. (Lublin, Poland)
Effect of application of pig slurry on soil penetration resistance and sugar beet emergence 297
Domżał, H., Gliński, J. and Lipiec, J. (Lublin, Poland)
Soil compaction research in Poland 99
Domżał, H., and Hodara, J. (Lublin, Poland)
Physical properties of three soils compacted by machine wheels during field operations 227
Domżał, H., *see* Slowinska-Jurkiewicz, A. and Domżał, H.
see Hodara, J. and Domżał, H.
see Glinski, J. et al.
Evans, R., *see* Watson, A. and Evans, R.
Ewing, L.K., *see* McIsaac, G.F. et al.
Ferrero, A.F. (Turin, Italy)
Effect of compaction simulating cattle trampling on soil physical characteristics in woodland 319
Gediga, K. (Jelcz-Laskowice, Poland)
Influence of subsoil compaction on the uptake of ^{45}Ca from the soil profile and on maize yield 351
Gliński, J., Domżał, H. and Lipiec, J. (Lublin, Poland)
Soil compaction as a factor determining plant productivity 95

Glinski, J., *see* Domżał, H. et al.
Gould, N., *see* Thiagalingam, K. et al.
Håkansson, I., *see* Lipiec, J. et al.
Hartmann, R., *see* De Smet, J. et al.
Haynes, R.J., Stephen, R.C. and Swift, R.S. (Canterbury, New Zealand)
Influence of mixed cropping rotations (pasture–arable) on organic matter content, water stable aggregation and clod porosity in a group of soils 77
Hodara, J., *see* Domżał, H. and Hodara, J.
Hodara, J. and Domżał, H. (Lublin, Poland)
A preliminary study on the durability of the effects of compaction on a brown soil developed from loess 255
Horn, R., *see* Baumgartl, Th. and Horn, R.
see Lebert, M. and Horn, R.
Jaakkola, A., *see* Simojoki, A. et al.
Kossowski, J., *see* Lipiec, J. et al.
Lebert, M. and Horn, R. (Kiel, F.R.G.)
A method to predict the mechanical strength of agricultural soils 275
Lhotský, J., Beran, P., Paris, P. and Valigurská, L. (Zbraslav, Czechoslovakia)
Degradation of soil by increasing compression 287
Lipiec, J., *see* Glinski, J. et al.
see Domżał, H. et al.
see Okhitin, A.A. et al.
Lipiec, J., Tarkiewicz, S., Kossowski, J. (Lublin, Poland) and Håkansson, I. (Uppsala, Sweden)
Soil physical properties and growth of spring barley as related to the degree of compactness of two soils 307
Malicki, J., Bieganowski, A. and Dąbek-Szreniawska, M. (Lublin, Poland)
Mathematical modeling of biological activity in differently compacted soils 357
Margolin, M., *see* Rawitz, E. and Margolin, M.
McIsaac, G.F., Mitchell, J.K. and Ewing, L.K. (Urbana, IL, U.S.A.)
Conservation and contour tillage for corn and soybeans in the Tama silt loam soil: the hydrologic response 29
Mitchell, J.K., *see* McIsaac, G.F. et al.
Mullins, C.E., *see* Young, I.M. and Mullins, C.E.
see Young, I.M. et al.
Niedźwiecki, E. (Szczecin, Poland)
Physical and chemical properties of brown earths developed from boulder clay in Western Pomerania under arable farming, apple-tree orchard and deciduous forest, as affected by soil compaction 237
Okhitin, A.A., Sudakov, A.V. (Leningrad, U.S.S.R.), Lipiec, J. and Tarkiewicz, S. (Lublin, Poland)
Deformation of silty loam soil under the tractor tyre 187
Pabin, J., Sienkiewicz, J. and Włodek, S. (Jelcz-Laskowice, Poland)
Effect of loosening and compacting on soil physical properties and sugar beet yield 345
Paris, P., *see* Lhotsky, J. et al.
Rawitz, E. and Margolin, M. (Rehovot, Israel)
An economical hand-held recording penetrometer 67
Rusanov, V.A. (Moscow, U.S.S.R.)
Effects of wheel and track traffic on the soil and on crop growth and yield 131
Sharma, B.R. (Faizabad, India)
Effect of different tillage practices, mulch and nitrogen on soil properties, growth and yield of fodder maize 55

Sienkiewicz, J., *see* Pabin, J. et al.
Simojoki, A., Jaakkola, A. (Helsinki, Finland) and Alakukku, L. (Jokioinen, Finland)
Effect of compaction on soil air in a pot experiment and in the field 175
Słowińska-Jurkiewicz, A. and Domżał, H. (Lublin, Poland)
The structure of the cultivated horizon of soil compacted by the wheels of agricultural tractors 215
The structure of the cultivated horizon of a Stagnogleyic Luvisol developed from loam, within the zone affected by tractor wheel traffic 245
Stephen, R.C., *see* Haynes, R.J. et al.
Sudakov, A.V., *see* Okhitin, A.A. et al.
Swift, R.S., *see* Haynes, R.J. et al.
Tarkiewicz, S., *see* Okhitin, A.A. et al.
see Lipiec, J. et al.
Taylor, H.M. and Brar, G.S. (Lubbock, TX, U.S.A.)
Effect of soil compaction on root development 111
Thiagalingam, K., Gould, N. and Watson, P. (Berrimah, NT, Australia)
Effect of tillage on rainfed maize and soybean field and the nitrogen fertilizer requirements for maize 47
Unger, P.W. (Bushland, TX, U.S.A.) and Cassel, D.K. (Raleigh, NC., U.S.A.)
Tillage implement disturbance effects on soil properties related to soil and water conservation: a literature review 363
Valigurska, L., *see* Lhotsky, J. et al.
Van de Zande, J.C. (Wageningen, The Netherlands)
Computed reconstruction of field traffic patterns 1
Watson, A. (Kincardineshire, Gt. Britain) and Evans, R. (Cambridge, Gt. Britain)
A comparison of estimates of soil erosion made in the field and from photographs 17
Watson, P., *see* Thiagalingam, K. et al.
Włodek, S. (Jelcz-Laskowice, Poland)
Depth indicators method for determination of bulk density dynamics 197
see Pabin, J. et al.
Wontroba, J., *see* De Smet, J. et al.
Yao-Kouame, A. and Yoro, G. (Abidjan, Cote d'Ivoire)
Mechanized agriculture and soil compaction in Cote d'Ivoire 263
Yoro, G., *see* Yao-Kouame, A. and Yoro, G.
Young, I.M. (Dundee, Gt. Britain) and Mullins, C.E. (Aberdeen, Gt. Britain)
Water-suspensible solids and structural stability 89
Young, I.M., Mullins, C.E., Bengough, A.G. (Aberdeen, Gt. Britain) and Costigan, P.A. (Warwick, Gt. Britain)
Hardsetting and structural regeneration in two unstable British sandy loams and their influence on crop growth 383